

## Safety Data Sheet for GeneFix Saliva-Mag kit GSM-48/GSM-12/GSM-2

### Contents:

Binding Buffer	Low risk – details below
Proteinase K	Details below
Magnetic Beads	Low risk – details below
Wash Buffer	Low risk
Elution Buffer	Low risk

## Binding Buffer

### 1. Identification of the substance/mixture and of the company/undertaking:

#### Product details:

Trade name: Binding Buffer

Manufacturer/Supplier: Cell Projects Ltd.

Further Information available from: Cell Projects Ltd., Unit 2 Roebuck Business Park, Ashford Road, Harrietsham, Kent ME17 1AB

Tel.: ++44 (0) 1622 763741 Email: info@isohelix.com

### 2. Hazards identification:

#### Classification of the substance or mixture

Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008

Not a hazardous substance or mixture according EC directives 67/548/EEC or 1999/45/EC

### 3. Composition/information on ingredients:

Description: Liquid. Proprietary compound mixture.

### 4. First-aid measures:

**After contact with eyes:** Check for and remove any contact lenses. In case of contact, flush eyes with plenty of water for 15 minutes. Get medical attention if irritation occurs.

**After contact with skin:** Wash off immediately with plenty of water. Remove contaminated clothing and wash before re-use.

**After inhalation:** Remove to fresh air. If not breathing give artificial respiration. Seek medical advice in case of breathing difficulties.

**After swallowing:** Wash out mouth with water provided person is conscious. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms appear.

### 5. Fire-fighting measures: Non-flammable.

**Suitable extinguishing agents for surrounding fire:** CO<sub>2</sub>, powder or water spray.

**Protective equipment:** Do not inhale combustion gases. Wear self-contained breathing apparatus if necessary.

### 6. Accidental release measures: Use personal protective equipment as detailed in section 8. Ensure adequate ventilation.

Soak up with inert absorbent material and dispose of according to regulations.

### 7. Handling and storage: Avoid contact with eyes and skin. Avoid inhalation of vapour or mist. Wash thoroughly after handling. Keep in a dry, cool and well-ventilated place.

### 8. Exposure controls/personal protection:

**Exposure controls:** None listed

#### Personal Protective equipment:

Eyes: wear appropriate protective safety goggles with side shields.

Skin: wear appropriate protective gloves.

Clothing: wear appropriate protective clothing.

Environmental exposure controls: Prevent from entering the drains.

9. **Physical and chemical properties:** Physical state: liquid. Colour: colourless. Odour: odourless.  
Other properties: N/A
  
10. **Stability and reactivity:** The product is stable.  
Incompatible materials: oxidising agents.  
Hazardous decomposition products: No data available.
  
11. **Toxicological information:**  
Acute toxicity: No data available.  
Potential health effects:  
Eyes – may be irritating to eyes with susceptible persons. Non-corrosive for the eyes.  
Skin – may be slightly irritating to skin. Non-corrosive for the skin.  
Inhalation – may be irritating to respiratory system. Non-corrosive for lungs.  
Ingestion – may be harmful if swallowed.
  
12. **Ecological information:** No data available.
  
13. **Disposal considerations:** Dispose of in accordance with local regulations.
  
14. **Transport information:** Non-hazardous for transport.
  
15. **Regulatory information:**  
European/International Regulations: European labelling in accordance with EC Directives.  
Hazard Symbol: none  
Non-hazardous mixture
  
16. **Other information:** This information is believed to be accurate and represents the best information based on our present knowledge. However, this shall not constitute a guarantee or warranty for any specific product feature and in no case shall the company be liable for any claims, losses or damages, including lost profits.

## Proteinase K

1. **Identification of the substance/mixture and of the company/undertaking:**  
Product details: Trade name: Proteinase K  
Manufacturer/Supplier: Cell Projects Ltd.  
Further Information available from: Cell Projects Ltd., Unit 2 Roebuck Business Park, Ashford Road, Harrietsham, Kent ME17 1AB Tel.: ++44 (0) 1622 763741 Email: info@isohelix.com
  
2. **Hazards identification:**  
**Hazard description:** XN Harmful  
R 36/37/38 Irritating to eyes, respiratory system and skin.  
R 42 Irritant - may cause sensitisation by inhalation and skin contact.
  
3. **Composition/information on ingredients:**  
Chemical name: Proteinase K  
CAS No: 39450-01-6
  
4. **First-aid measures:**  
**After contact with eyes:** Immediately flush opened eyes with running water for several minutes.  
**After contact with skin:** Immediately wash skin with soap and copious amounts of water.  
**After inhalation:** Remove to fresh air and monitor breathing. If not breathing give artificial respiration. Call a Doctor.  
**After swallowing:** Wash out mouth with water provided person is conscious. Call a Doctor.
  
5. **Fire-fighting measures:**  
**Suitable extinguishing agents:** CO<sub>2</sub>, powder or water spray.  
**Protective equipment:** Do not inhale combustion gases. Wear self-contained breathing apparatus if necessary.

6. **Accidental release measures:** Use personal protective equipment as detailed in section 8. Ensure adequate ventilation. Prevent seepage into drains. Pick up without creating dust and place into a suitable disposal container.
7. **Handling and storage:** Ensure adequate ventilation, minimise dust generation. Avoid contact with skin, eyes and clothing. Avoid ingestion and inhalation. Store in a tightly closed container.
8. **Exposure controls/personal protection:**  
**Exposure controls:** None listed  
**Personal Protective equipment:** Eyes: wear appropriate protective safety goggles.  
 Skin: wear appropriate protective gloves.  
 Clothing: wear appropriate protective clothing.
9. **Physical and chemical properties:** Physical state: Solid. Colour: White. Odour: None  
 Solubility in water: Soluble. Other properties: N/A
10. **Stability and reactivity:** Stable under normal temperatures and pressures.  
 Incompatible materials: strong oxidising agents. No data available on hazardous decomposition products.
11. **Toxicological information:** Acute toxicity: No data available.  
 Irritant effect: Irritating to eyes, skin, mucous membranes and respiratory tract.  
 Sensitisation: May cause sensitisation through inhalation or skin contact.
12. **Ecological information:** Not available.
13. **Disposal considerations:** Dispose of in a manner consistent with state and local regulations.
14. **Transport information:** Non-hazardous for transport.
15. **Regulatory information:**  
 European/International Regulations: European labelling in accordance with EC Directives:  
 Hazard Symbol: XN  
 Risk phrases: R 36/37/38 Irritating to eyes, respiratory system and skin.  
 R 42/43 May cause sensitisation by inhalation and skin contact.  
 Safety phrases: S 22 Do not breathe dust  
 S 24 Avoid contact with skin  
 S 26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.  
 Water hazard class: generally not hazardous for water.
16. **Other information:** This information is believed to be accurate and represents the best information based on our present knowledge. However, this shall not constitute a guarantee or warranty for any specific product feature and in no case shall the company be liable for any claims, losses or damages, including lost profits.

## Magnetic Beads

1. **Identification of the substance/mixture and of the company/undertaking:**
  - a. Product details:
  - b. Trade name: Binding Buffer
  - c. Manufacturer/Supplier: Cell Projects Ltd.
  - d. Further Information available from: Cell Projects Ltd., Unit 2 Roebuck Business Park, Ashford Road, Harrietsham, Kent ME17 1AB
  - e. Tel.: ++44 (0) 1622 763741 Email: info@isohelix.com
2. **Hazards identification:**
  - a. **Classification of the substance or mixture**
  - b. Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008
  - c. Not a hazardous substance or mixture according EC directives 67/548/EEC or 1999/45/EC

3. **Composition/information on ingredients:**
  - a. No components need to be disclosed according to the applicable regulations.
4. **First-aid measures:**
  - a. **After contact with eyes:** Check for and remove any contact lenses. In case of contact, flush eyes with plenty of water for 15 minutes. Get medical attention if irritation occurs.
  - b. **After contact with skin:** Wash off immediately with plenty of water. Remove contaminated clothing and wash before re-use.
  - c. **After inhalation:** Remove to fresh air. If not breathing give artificial respiration. Seek medical advice in case of breathing difficulties.
  - d. **After swallowing:** Wash out mouth with water provided person is conscious. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms appear.
5. **Fire-fighting measures:** Non-flammable.
  - a. **Suitable extinguishing agents for surrounding fire:** CO<sub>2</sub>, powder or water spray.
  - b. **Protective equipment:** Do not inhale combustion gases. Wear self-contained breathing apparatus if necessary.
6. **Accidental release measures:** Use personal protective equipment as detailed in section 8. Ensure adequate ventilation. Soak up with inert absorbent material and dispose of according to regulations.
7. **Handling and storage:** Avoid contact with eyes and skin. Avoid inhalation of vapour or mist. Wash thoroughly after handling. Keep in a dry, cool and well-ventilated place.
8. **Exposure controls/personal protection:**
  - a. **Exposure controls:** None listed
  - b. **Personal Protective equipment:**
    - c. Eyes: wear appropriate protective safety goggles with side shields.
    - d. Skin: wear appropriate protective gloves.
    - e. Clothing: wear appropriate protective clothing.
    - f. Environmental exposure controls: Prevent from entering the drains.
9. **Physical and chemical properties:** Physical state: liquid. Odour: no data available.
  - a. Other properties: N/A
10. **Stability and reactivity:** The product is stable.
  - a. Incompatible materials: oxidising agents.
  - b. Hazardous decomposition products: No data available.
11. **Toxicological information:**
  - a. Acute toxicity: No data available
  - b. Potential health effects: No data available
  - c. Eyes: No data available
  - d. Skin: No data available
  - e. Inhalation: No data available
  - f. Ingestion: No data available
12. **Ecological information:** No data available.
13. **Disposal considerations:** Dispose of in accordance with local regulations.
14. **Transport information:** Non-hazardous for transport.
15. **Regulatory information:**
  - a. European/International Regulations: European labelling in accordance with EC Directives.
  - b. Hazard Symbol: none
  - c. Non-hazardous mixture
16. **Other information:** This information is believed to be accurate and represents the best information based on our present knowledge. However, this shall not constitute a guarantee or warranty for any specific product feature and in no case shall the company be liable for any claims, losses or damages, including lost profits.